



非极大交换子群皆正规的有限群

Finite groups with every non-maximal abelian subgroup being normal

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摘要 设 H 是有限群 G 的一个交换子群. 如果 H 在 G 中的中心化子正是它本身, 则称 H 为 G 的极大交换子群. 本文主要研究每一非极大交换子群都正规的有限群的结构, 对这类有限群给出其完全分类.

关键词: 有限群 交换子群 Sylow p -子群

Abstract: An abelian subgroup H of a finite group G is said to be a maximal abelian subgroup in G if its centralizer is just itself. Finite groups in which every non-maximal abelian subgroup is normal are investigated, and then the classification of this kind groups is given in this paper.

Keywords: finite group, abelian subgroup, Sylow p -subgroup

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通讯作者 郭秀云, 研究方向为有限群. Email: xyguo@shu.edu.cn


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